

Effect of Mineral Substances on the Relative
Volatility of Components in Liquid Mixtures,
by V. B. Kogan, S. F. Bulushev, V. M. Safonov,
O. F. Moskovets, 7 pp

RUSSIAN, per, Zhur Prii Khim, Vol XXXII, No 11,
1959, pp 2409-2415

CB

132,185

Oct 60

Preparation of Fibrinolysis Activator in the
Extracorporeal Kidney, by K. ~~Dulak~~,
M. Malofiejew, 8 ppk.

~~RUS~~POLISH, per, Acta Physiologica Polonica,
Vol XIV, No 24, 1963,

OTS 63-11407/4
PL-480

Sci
Jul 64

263,084

Devonian Tetracorals From the Vicinity of the
Kuznets Basin, by E. Z. Bulvankar,

RUSSIAN, per, Trudy Vses ~~Soyuz~~ Nauch-Issled
Geol Inst VSEGEI, 1958.

Dept Interior
QE3 E57 No 25

Sci - Geophysics
May 61

148,896

Description of Genera, Excerpts From Rugose Corals
From Silurian of Podolia, by E. Z. Bulvanker.

RUSSIAN, per, Trudy Vses Nauch-Issled Geol Inst
(VSEGEI) Ministerstva Geolgoii, Moscow, 1952.

Dept of Interior
QE3, E57, No 2

Sci - Geophysics
Oct 60

128,669

An Investigation of the Reaction of the
Formation of Cobalt and Nickel Ferrites,
by S. L. Bulyakova, Ya. I. Gerasimov, U. P.
Simanov and L. L. Klyachko-Gurvich, 12 pp.

RUSSIAN, per. Zhur. Obshch^{ch} Khimii, Vol. XVIII, 1948
pp 154-164.

DS.I 47-1409
CIA/FDD/Z-203

30,875

Scientific - Chemistry

The Effect of an External Electric Field on
the Shape of the Atomic Absorption Edge
in Non-Conducting Crystals, by D.S.
Pulyanov, 3 pp.

RUSSIAN, per. Russ. Eksp. i Teor. Fiz., Vol.
XIV, No 4, 1960, pp 1201-1204.

AIP
Sov Phys JETP
Vol XI, No 4

132,834

Sci
Nov 60

Transformation of Retained Austenite in
Temperatures With High-Alloy Steels, by A. Bulgaev.
1939
RUSSIAN, per, Metallurg, Vol XIV, No 3, 1939, pp 64-71

Brutcher Tr No 724

16,752

\$3.10

Scientific - Min/Metals

88-52167

We Are Bringing the Communications Facilities to the
Fronts (From the Practical Experience of the Mogilev
Post Office), by U. A. Bulybenko, 10 pp.

RUSSIAN, per, Vestnik Svyazi, No 2, 1955.

JPRS 7085

Sci

Jun 61

15-3, 726

Characteristics of Extruding Metal by High-
Pressure Liquid at Elevated Temperatures,
by V. I. Beresnev, D. K. Bulychev,
K. P. Rodionov, 13 PP.

RUSSIAN, per, Fiz Metal i Metallov, Vol XI,
No 1, 1961, pp 115-122. 9671154

FTD MCL-1276/1

Sci - Min/Metal; Phys

171,440

23 Oct 61

THE EFFECT OF SMALL CONCENTRATIONS OF FLUORINE
ON THE ORGANISM, BY A. F. AKSEYUK, G. V. BULYCHEV,
6 PP.

RUSSIAN, PER, GIG I SANITARIYA, NO 12, 1968,
PP 7-10.

APR 1967

SCI-BIOL & MED SCI
MAY 63

229,606

Structural Defects and Plastic Strain of Copper
at High Pressures, by D. K. Bulychev, B. I.
Beresnev, 3 pp.

RUSSIAN, per, Dok Ak Nauk Physics Sections,
Vol CLVI, No 1, May 1964, pp 67-68.

Amer Inst of Phys
Doklady Sov Phys
Vol IX, No 5

Sci
Jan 65

270,884

On the Changes in the Stability Region of Wustite
in the Phase Diagram of the System Fe-O at
Increased Pressure, by V. I. Arkharov, D. K.
Bulychev, 4 pp.

RUSSIAN, per, Fiz Metal i Metallov, Vol VI,
No 6, 1958, pp 1027-1030.

Pergamon Press

Sci

Jun 60

117,961

28
Calculation of the Diborane (B_2H_6) Molecule in
the Two Centres Approximation, by V. P. Bulychev
and N. G. Vasalov.
RUSSIAN, per. Litov. Fiz. Zhurnik. Vol 3, No 1-2,
1963, pp 253-259.
NLL RTS 3610

Sci-Chem
Nov 67

V. P. Bulychev

345.335

(NY-4710)

The Fourth All-Union Scientific-Practical
Conference of Medical Institutes on Sports
Medicine, by V. V. Bulychev, 9 pp.

RUSSIAN, per, Teoriya i Praktika Fizicheskoy
Kul'tury, Vol XIII, No 4, 1960, pp 316-318.

JPRS 5681

Sci - Misc

Oct 60

128,321

An Investigation Into the Texture and Anisotropy of
the Magnetostriction in Fe-Al and Fe-Cr Alloys,
by M. M. Borodkina, Z. N. Bulycheva, Ya. P.
Seliskiy, 9 pp.

RUSSIAN, per, Fiz Metal i Metallov, Vol IX, No 3,
1960, pp 390-399.

PP

Sci

Apr 61

149,595

A Semiconductor Vacuum Gage, by A. V. Bulyga,
A. G. Shashkov, 12, pp.

RUSSIAN, per, Inzhen-Fiz Zhur, Vol VI, No 12,
1963.

JPRS 23730

Sci

Mar 64

253806

Influence of Electrolyte Composition on the
Distribution of Current Inside a Graphite Anode and
on its Internal Wear, by B. M. Bulygin, 7 p.

RUSSIAN, per, Zhur Prik Khim, Vol XXXII, No 1,
1959, pp 121-127.

CB

Sci

Feb 60

106,979

Algorithm of the Structure of the Structure in the Course of Construction, by G. M. Delyagin, 7 pp.

RUSSIAN, Dokl. Akad. Nauk SSSR, Vol. 125, No. 3, 1959, pp. 494-498.

Consultants Bureau

Sol.

May 60

118,186

TT-63-24091

Bulyga, B. M., Pobedinskii, S. N., and Kuz'min,
L. L.
ANODIC SOLUTION OF MAGNESIUM IN OXIDIZING
ELECTROLYTES. [1963] [8p] 7 refs
C. E. Trans. 2945.
Order from OTS, SLA, or ETC \$1.10 TT-63-24091

Trans. of Izvestiya Vsesoyuznogo Nauchno-Issledovatskogo
Khimicheskogo Tekhnicheskogo Tsentra (USSR)
1962, v. 5 [no. 1] p. 120-125. (Abstract available)

DESCRIPTORS: Electrolytes, Oxidation, *Magnesium
compounds, Solutions, Anodes, *Electrochemistry.

Galvanic sources of electricity can function with a
magnesium anode when the electrolyte is a solution of
a pure oxidizing agent. In these circumstances, as a
result of passivation of the surface by a protective
oxide film, the consumption of the metal and evolution
(Chemistry--Physical, TT, v. 11, no. 3) (over)

- I. Bulyga, B. M.
- II. Pobedinskii, S. N.
- III. Kuz'min, L. L.
- IV. CE Trans-2945
- V. Central Electricity
Generating Board
(Gt. Brit.)

Office of Technical Services

Chemical and Mechanical Destruction of Graphite
Anodes under Various conditions of Hydroxyl Ion
(Water) Discharge, By B. M. Bulygin, 5 pp.

RUSSIAN, per. Zhur Prik Klim, Vol XXXI, No 12,
1958, pp 1832-1836.

Consultants Bureau

Sci

Dec 59

104,157

Shaking Conditioned Reflexes From the
Bladder Interoceptors After Transection
and Partial Removal of the Spinal Cord,
by I. A. Bulygin, R. A. Iakimovich,
8 pp.

RUSSIAN, per, Zhur Vysahey Nerv Deyatel
imeni I. P. Pavlova, Vol X, No 1, 1960,
pp 130-137.

PP

198,506

Sci
Feb 62

Comparison of Conditioned Reflexes Elaborated on the Basis of Exteroceptive and Interoceptive Reinforcements, by I. A. Bulygin, L. V. Itina, 9 pp.

RUSSIAN, per, Zhur Vysshey Nerv Deyatel Imeni I. P. Pavlova, Vol X, No 3, 1960, pp 369-376.

PP

Sci
May 62

192,835

True sympathetic reflexes, by I.A. Bul'gin, I.I.
Belozybkina, M.P. kul'vanovskiy, 9 pp.

RUSSIAN, per, Fiziol Zhur SSSR imeni I.M. Sechenova,
Vol XLVII, No 3, 1961.

PP

200, 726

Sci
Apr 62

Ganglionic Mediation of Viscero-Visceral Reflexes,
by I. A. Bulygin, E. I. Balakhinina, 8 pp.

RUSSIAN, per, Fiz Zhur SSSR imeni I. M. Sechenova,
Vol XLVII, No 9, 1961.

Elsevier Pub Co

Sci

Oct 62

216,575

Receptor Function of the Inferior Mesenteric
Sympathetic Ganglion, by I. A. Bulygin, L. I.
Belorybkina, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII, No 1,
1958, pp 196-199.

Amer Inst of Biol Sci

Sci - Med

96,177

Feedback as a test and Reflex Activity of the Organism;
Reply to Certain Critics of the Reflex Theory, by
S. A. Bolshakov, 13 pp.
RUSSIAN, 1944, Zhur Yuzh Muravyev Ekspozit from
L. P. Pavlov, Vol XXV, No 1, 1944, pp 161-171.
JPRS 24387

Sci-Med
Apr 54

234,224

Analysis of the Afferent Paths for Introsceptive
Reflexes From the Pelvic Organs, by I. A. Bulygin,
K. F. Zorina-Taikina, M. P. Kul'vanovskaya, 8 pp.

RUSSIAN, par, Fiz Zhur SSSR im I. M. Sechenov,
Vol XIV, No 1, 1959, pp 7-15.

Pergamon Inst

Sci - Med

Jul 59

91,754

(FDD 21398)

Effect of Changes in the Functional Condition of the
Cortex of Large Hemispheres Produced by Chloral
Hydrate Upon the Unconditioned Interoceptor Re-
flexes in the Stomach, by I. A., Bulygin, 9 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Nov ~~III~~
Ser, Vol LXXV, No 6, Moscow, Aug 1952, pp 1415-1418.

CIA/FDD/U-6161

USSR
Sci - Med

16,613

Interceptive Conditioned Reflexes From the Bladder
Following Removal of the Thoracic Cord, by
I. A. Bulygin, Z. D. Shchannikova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIV, No 5,
1957, pp 1120-1123.

Amer Inst of Biol Sci

Sci - Biology

Aug 58

70288

70288

EQUIPMENT FOR MECHANICAL TESTING AT TEMPERATURES
UP TO 2000°C, BY N. I. MINIKHEY, I. P. GILYGIN,
ET AL, 7 PP.

RUSSIAN, PER, ZAVOD LABORATORIYA, VOL XXIX, NO 3,
1963, PP 371-373

JPRS 18808

SCI - MAT & MET

APR 63

288,732

Organization of Communication Service for
Production Administrations, by I. V. Bulygin,
& pp.

RUSSIAN, per, Vestnik Svyazi, No 8, 1962.

JPRS 16061

Sci

Nov 62

217,283

(NY-7034)

A Necessary and Useful Book for the Communication
Workers of Popular Professions, by I. V. Bulygin,
4 pp.

RUSSIAN, per, Vestnik Svyzai, No 3, 1962.

JPRS 13894

Sci

Jun 62

197,494

Active Phases and Equilibrium in the $AB \rightleftharpoons A$ solid +
vapour System, by P. T. Danil'chenko,
E. I. Kolesnikova, L. A. Bulygin, 5 pp.

RUSSIAN, per, Zhur Neorg Khim, Vol V, No.10, 1960,
pp 2333-2341.

Cleaver-Hume Press

169,870

Sci

Sep 61

ation

The Nature and Composition of the Product
Reaction between Sodium Silicate and Alum
Salts, by L. A. Bulygin, 4 pp.

RUSSIAN, per, Zhur Georgan Khim, No 3, 19
pp 684-691.

~~Chemical Abstracts~~

Cleaver-Hume Pr

Sci

Oct 60

13011

Abdominal Organs as a Preparation for Investigation
of Peripheral Reflexes, by I. A. Bulvin, M. P.
Kulvanovsky, 3 pp.

RUSSIAN, per, Fiziol Zhur SSSR imeni I. M. Sechenova,
Vol XLVII, No 6, 1961.

Elsevier Pub Co

Sci

Oct 62

213,956

Treatment of Closed Diaphyseal Fractures of
the Femur by Intramedullary Fixation with a
Metal Rod under Field Hospital Conditions,
by I.K. Bulygin, V.N. Filin, V.P. Verbitskiy

RUSSIAN, no per, Voenno Med Zhur, No 12,
Moscow, Dec 1957, pp 87-89

US JPRS/NT 365

Sci - Med

61,926

On the Difference of the Difference Between
Obtained on Stationary and Portable Machines, by
I. P. Bulygin, P. T. Vlasova, V. P. Prokof'ev, 4 pp.

RUSSIAN, per, Zavod Lab, Vol XXVII, No 1, 1961,
pp. 86 - 88

ISA

198,347

Sci
Apr 62

GE-1

11 777

3ULYGIN I. P., TRUSOVA E. F.

The influence of boron on long-term resistance and fracture characteristics of alloys of type EI 437

Der Einfluss von Bor auf die Dauerfestigkeit und den Bruchcharakter von Legierungen vom Typ EI 437

Metalloved. i Term. Obrab. Metallov., No. 11, 10-14 (1956)
German

Organization of Communication Service in the
Consolidated Rayons of Kievskaya Oblast, by
I. V. Bulygin, 5 pp.

RUSSIAN, per, Vest Svyazi, No 11, 1963, pp 21

JPRS 22911

Sci

Jan 64

249,237

(NY-5222)

Utilizing Reserves for Raising Labor Productivity
and Improving the Quality of Communications Work,
by I. V. Bulygin, 5 pp.

RUSSIAN, per, Vestnik Svyazi, No 8, 1955.

JPRS 7091

Sci

165,914

Sep 61

High-Power Radio Center of Kiev, by I. V. Buligin,
12 pp. UNCLASSIFIED

RUSSIAN, per, Vest Svyazi-Elektrosvyaz, No 3 (64),
1947.

ANC F-TS-7029-RE

16,751

Scientific - Electronics

Efforts to Achieve Competent Recruitment
Radio Rebroadcasting Network, by I. V. Buzgala.
UNCLASSIFIED

Full translation.

RUSSIAN, per, Vestnik Svinzi, No 4, 1948, pp 3-4.

SIGIA No 1707-53

USSR

Scientific - Electronics

May 53 CTS

2145

Fructification of *Acer Mandshuricum* in Leningrad.
by N. E. Bulygin.
RUSSIAN, per. Botanicheski Zhurnal, Moskva.
Vol 49, No 3, 1964, pp 412-417.
*CSFTI TT 68-50396/9

N. E. Bulygin

Sci/B & M
Feb 68

117
The Fruitification of Manchurian Maple (*Acer
Mandschuricum*) in Leningrad, by N. Ye. Bulygin.
RUSSIAN, per, Botanicheskiy Zhurnal, Vol 49,
No 3, 1964, pp 412-417.
CSTI TT 68-50396

sci/ b an dm
sept 69

389,834

N. Ye. Bulygin

Bulygin, P. M.
DEVICE FOR ASSEMBLING ASBESTOS-CEMENT
PIPES (Prisposobleniye dlya Montazha Asbesto cement-
nykh Trub). [1961] [3lp. [DSIR LLU] M 2985.
Order from OTS or SLA \$1.10

Trans. of Vodosnabzheniye i Sanitarnaya Tekhnika
(USSR) 1959, no. 12, p. 33.

DESCRIPTORS: *Pipes, *Asbestos fiber, *Cements,
*Jacks (Mechanics).

(Machinery--Manufacturing, TT. v. 6, no. 3)

61-23347

I. Bulygin, P. M.
II. DSIR LLU M. 2985

Office of Technical Services

On Caluclation of Mean-Square Errors
By V. S. Bulygin, 7 pp.

RUSSIAN, par, Avtomat i Telemekh, Vol XXIII, No 11,
1962, pp. 1553 - 1559

ISA

Sci

Aug 63

342,446

Bulygin, V. Ya.
THE DETERMINATION OF WATER SATURATION
AND OIL RECOVERY OF RESERVOIRS. [1962] 7p.
Order from ATS \$10.00
ATS-47N58R

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii.
Nef' i Gaz (USSR) 1961, v. 4, no. 8, p. 75-81.

DESCRIPTORS: Dams, *Oils, Recovery, Water.

(Earth Sciences--Geology, TT, v. 8, no. 7)

62-17150

I. Bulygin, V. Ya.
II. ATS-47N58R
III. Associated Technical
Services, Inc., East
Orange, N. J.

ATS-83-3435

Office of Technical Services

Estimate of Permeability and Elastic Capacity of
Oil-Bearing Formations From Production Data, by
V. Ya. Bulygin, 5 pp.

RUSSIAN, per, Neft Khoz Vol XXV, No 7, 1957,
pp 35-38.

ATS 85L31R

ATS-RJ-1824

Sci
Dec 59
Vol 2, No 5

103,811

Receptor function of Vegetative Ganglia, by I. A.
Bulygin, L. I. Belorybkina, 10 pp.

RUSSIAN Per, Fiziol Zhur SSSR, imeni I. M. Sechenova,
Vol XLV, No 12, 1959, pp 1413-1421.

Pergamon Press

Sci

119,564

Jun 60

On the Problem of A Wing of a Given Volume With
Minimum Wave Drag, by E. B. Dulygina, 5 pp.

RUSSIAN, per, Prikl Matemat i Mekh, Vol XXII,
No 6, 1958, pp 826-828.

PP

Sci-

Nov 59

101, 368

The Self-Balancing of Supersonic Wings With
Variable Dihedral of the Leading Edge, by
Ye. V. Bulygina, 10 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Aviats
Tekh, No 4, 1960, pp 10-17. ~~9673562~~

FTD-TT-61-189

Sci - Aero

186, 239

2 Mar 62

Thin Profile Ring With Minimum Mean Coefficient
of Heat Transfer for a Given Lift, by
E. V. Bulygin, et al.

RUSSIAN per, Iz Vysah ucheb zaved, Aviat Tekh,
No 2, 1961, pp 17-25.

RAND CORP RM-3410-PR

Sci-Paps
Jan 63

219,913

Hyperstichting uitgeverij Vrijheid
by Ye. V. Bulygina, L. T. Yakubo, 10 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Seriya Aviat's
Tekh, No 3, 1963, pp 3-10.

JPRS 22703

Sci
Jan 64

246,755

A Minimum-Frag Self-Balancing Profile, by Ye.V.
Bulygina, 8pp

RUSSIAN, par, Iz Vysshikh Ucheb Zaved MVISSO SSSR,
Seriya Aviats Tekh, No 2, 1963, pp 118-123.

JPRS 22663

Sci
Jan 64

146, 010

The Self-Balancing of Supersonic Wings With
Variable Dihedral of the Leading Edge, by
Ye. V. Bulygina, 10 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Aviat
Tekh, No 4, 1960, pp 10-17. 9673562

FTD-TT-61-189

Sci - Aero

2 Mar 62

186,239

Pulsed Method of Measuring the Energy Distribution
of Particles Escaping From Plasma, by D. G.
Bulyginskiy, et al.

RUSSIAN, Conference on Plasma Physics and
Controlled Nuclear Fusion Research, Salzburg,
Sep 4-9, 1961, IAEA-CN-240.

*AEC

Sci
Jan 62

REF ID: A61111

Non-Uniformity of the Work Function of Oxide-Coated
Cathodes, by D. G. Bulyginskiy, ⁵6 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Ser Fiz, Vol XX,
No 10, Oct 1956, pp ~~545-546~~ 1079-1089.

Columbia Tech

Sci - Physics

56,477

Dec 57

The Coefficient (1- $\bar{\alpha}$) in the Equation for Thermionic Emission, by D. G. Bulyginakiy, 7 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVIII, No 4, 1958, pp 732-739.

Amer Inst of Phys
Sov Phys - Tech Phys
Vol III, No 4

Sci - Phys, Electron
Jan 59

78,692

Angular Correlation of Short-Flight Alpha-
Particles and Gamma-Quanta, by L. A. Kul'chitskiy,
G. D. Latyshev, D. G. Bulyginakiy.

RUSSIAN, bino per, Iz Ak Nauk SSSR, Ser Fiz,
Vol XIII, No 3, 1949, 8 pp.

Sci Mus Lib 50/2479

Scientific - Physics

17,016

Electron Temperature in Oxide Cathodes, by D. G. Bulyginakiy, D. N. Dobretsov, 7 pp.

RUSSIAN, no per, Zhur Tekh Fiz, SSSR, Vol XXVI, No 5, 1956, pp 977-984.

no - of Trans
359

See 21
American Inst of Physics
Vol I, No 5, Soviet Physics
Technical Physics

Sci - Physics
Jun 57

48,359

Investigation of the Surface Work-Function Distribution for Oxide Cathodes, by D. G. Bulyginskiy, L. N. Dobretsov, 8 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVI, No 6, Jun 1956, pp 1141-1149.

Co. of Trans Sch 4359

Amer Inst of Phys
Soviet Phys, Tech Phys
Vol I, No 6

Sci - Phys
Jul 57

49,823

Study of the Oxidation Products of Resin Acids, by
M. M. Pavlyuchenko, V. M. Akulovich, N. N. Bulygo,
4 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXV, No 5,
1955, pp 914-918.

Consultants Bureau

Scientific - Chemistry

41, 365

Ships at Sea and Employment of Weapons in Stormy
Weather, by F. F. Bulykin, 15 pp. UNCLASSIFIED

RUSSIAN, Captured Doc #70, Seventh Fleet, Intelligence
Section.

Navy Tr 886/OHI-A 529-1

USSR
Military
CTS/DEX

7228

00- 001/15,

The Conversion of Mining Enterprises to a
Shorter Working Day and New Wage Schedule:
Leninogorsk Polymetals Combine, by T. P. Danonov,
Ye. S. Bulynko, 4 pp.

RUSSIAN, per, Gornyy Zhur, No 5, 1960, pp 8-10.

JPRS 5775

USSR

Econ

Oct 60

129,020

Extrusion of Cast Iron by Hydrostatic Pressure,
by D. K. Bulyanov, ~~XXXXXXXXXXXX~~ B. Bernanov.

RUSSIAN, per, Fiz Met i Metalloved, Vol XIII,
No 6, 1962, pp 942-944.

HB 5713

Sci-Min/Met
Jan 63

220,003

TT-65-63880

Field 20K, 14B

Bulysov, E. M.; Drozdov, R. Ya.
HIGH-TEMPERATURE TESTING DEVICE FOR DE-
TERMINING THE DEFORMATION OF HEAT-RESISTANT
MATERIALS AND THEIR TEMPERATURE. 13 Aug 65.
5p. FTD-TT-65-638; AD-620 860.
Order from CFSTI, SLA, or ETC: HC\$1.00, MF\$0.50
as AD-620 860

Unedited rough draft trans. of Patent (USSR) 165 562.
Patent appl. no. 833061/25-8, 25 Apr 63, 1p.

1. Foreign Technology Div.,
Wright-Patterson AFB,
Ohio

61-23144

Bumba, V.

RESULTS OF AN INVESTIGATION OF THE MAGNETIC FIELD OF SINGLE SUNSPOTS (Rezultaty Issledovaniya Magnitnogo Polya Odinochnykh Solnechnykh Pyaten). May 61 [58]p. 40 refs. RTS 1773. Order from OTS or SLA \$5.60 61-23144

Trans. of [Akademiya Nauk SSSR]. Krymskaya Astrofizicheskaya Observatoriya. Izvestiya, 1960, v. 23, p. 212-252.

DESCRIPTORS: *Sunspots, *Magnetic fields, Photographic analysis.

Photographic and photoelectric (with magnetograph) methods were used. The variation of the field strength (H) with distance (λ) from the centre of the spot is well represented in the penumbra by the formula $H = a/\lambda^3$, where a is the magnetic moment of the field and varies with the spot diameter, from about 10^{27} to 10^{30} G cm³ for the spots studied. The values of $\log_{10} H_{\max}$, where (Astronomy--Astrophysics, TT, v. 6, no. 4) (over)

I. Bumba, V.
II. RTS-1773
III. Department of Scientific
and Industrial Research
(Gr. Brit.)

Office of Technical Services

61-23643

Bumba, V.
RESULTS OF THE STUDY OF THE EVERSHED
EFFECT IN SINGLE SUNSPOTS (Rezultaty
Issledovaniya Effekta Evershada v Odinochnykh
Solnechnykh Pyatnakh). June 61 [34]p. 24 refs.
RTS 1774.

Order from OTS or SLA \$3.60

61-23643

Trans. of [Akademiya Nauk SSSR]. Krymskaya
Astrofizicheskaya Observatoriya. Izvestiya, 1960,
v. 23, p. 253-276.

DESCRIPTORS: *Sunspots, Spectrographic analysis.

As a rule in the Evershed effect the line as a whole is
not shifted, but has a strong asymmetry, and therefore
the center of gravity of the line is displaced. The
asymmetrical line, termed as "flag" at the maximum of
the Evershed effect, often becomes a sharp separate
weak line, "satellite". The distance of the latter from
the center of the undisturbed line can exceed 5 km/sec.
(Astronomy--Astrophysics, TT, v. 6, no. 5) (over)

I. Bumba, V.
II. RTS-1774
III. Department of Scientific
and Industrial Research
(Gt. Brit.)

Office of Technical Services

61-19674

Bumba, V.
THE CONNECTION BETWEEN THE MAGNETIC
FIELD AND MOTION IN SINGLE SUNSPOTS (Svyaz'
Mezhdru Magnitnym Polem i Dvizheniyem v Odinochnykh
Solnechnykh Pyatnakh). Apr 61 [17]p. 4 refs. RTS 1775.
Order from OTS or SLA \$1.60 61-19674

Trans. of A[kademiya] N[auk] SSSR. Krymshaya
Astrofizicheskaya Observatoriya. Izvestiya, 1960,
v. 23, p. 277-290.

DESCRIPTORS: *Sunspots, *Magnetic fields, Motion

Results of previous observations on the strength and
configuration of the magnetic field in single spots and
the variations of the magnetic field with altitude above
these spots (Akad. Nauk SSSR. Krymshaya Astrofiz.
Observatoriya Izvestiya 23: 212-252, 1960; available in
translation from OTS or SLA for \$5.60 as 61-23144) and
on the Evershed effect in individual spots (ibid. 253-276;
available in translation from OTS or SLA for \$3.60 as
(Astronomy--Astrophysics, TT, v. 6, no. 3) (over)

- I. Bumba, V.
- II. RTS-1775
- III. Department of Scientific
and Industrial Research
(Gt. Brit.)

Office of Technical Services

Results of the Study of the Everched Effect in
Single Sunspots, by V. Bumba.

RUSSIAN, per, Iz Krymskoi Astrofiz Observatorii,
Vol XXIII, 1960, pp 253-276.

ILL RPS 1774

Sci - *Astron*

180,060

Jan 62

62-32232

Bumba, V.

THE RELATIONSHIP BETWEEN CHROMOSPHERIC
FLARES AND MAGNETIC FIELDS OF SUNSPOT
GROUPS (Svyaz' Khromosfernykh Vspyshek s Magnityami
Polyami Grupp Solnechnykh Pyaten) tr. by Lorna L.
Coppinger. Jan 59 [14]p. 19 refs. AmMetSoc-T-R-172-
Order from OTS or SLA \$1.60 62-32232

Trans. of Akademiya Nauk SSSR. Krymskaya
Astrofizicheskaya Observatoriya. Izvestiya, 1958, v. 19,
p. 105-114.

DESCRIPTORS: *Solar atmosphere, Solar disturbances,
*Solar flares, *Magnetic fields, Polarization, *Sun-
spots, Astronomical data.

From a comparison of the positions of 69 flares and the
brightening of flocculi in 10 spot groups with the distri-
bution of the magnetic polarity of the groups, it follows
(Astronomy--Astrophysics, TT, v. 9, no. 2) (over)

I. Bumba, V.

II. AmMetSoc-T-R-172

III. American Meteorological
Society, Boston, Mass.

IV. Contract AF 19(604)1936

62-32232

Office of Technical Services

The Relationship Between Chromospheric
Flares and Magnetic Fields of Sunspot
Groups, by V. Bumba, 12 pp.

RUSSIAN, par, Iz Krynaskoy Astrofiz Observ,
Vol. XIX, 1958 pp 105-114.

Amer Meteorol Soc
AF Cambridge Res Center

Sci - Astron

Jan 60

106,279

GROWTH OF LABOR PRODUCTIVITY ON THE CONSTRUCTION
SITES—A PRIME TASK FOR THE CONSTRUCTION INDUSTRY,
BY V. BERNACEA, 17 PP.

ROMANIAN, RE PER, CONSTRUCTORUL, VOL XV, NO 693,
APR 63, PP 1, 3.

JRS 1961

EUR-ROMANIA
ECON
JUN 63

832,518

DATA ON REQUIREMENTS AND PRESENT POTENTIAL
FOR RESIDENTIAL CONSTRUCTION, BY V. BUMBACEA,
5 PP.

RUMANIAN, NP, CONSTRUCTORUL, VOL XIV, NO 662,
15 SEP 1962, PP L AND 3.

JPRS 15977

EEUR-~~R~~RUMANIA
ECON
NOV 62

215,172

(10-5004)

Possibilities of Modification of the D-35 M Motors
for use Aboard Ships, by Costica Alexandru,
Severin ~~Bambanu~~, Stefan Ionescu, 10 pp.

ROMANIAN, per, Metalurgia si Constructia de Masini,
Vol. XII, No 10, Nov 1960, pp 871-877.

JPRS 8548

EEur - Rumania

Econ

Aug 61

163,655

(PROB-1)

Organisation of Forest Areas, by Gh. Busbu, 8 pp.

ROMANIAN, par, Revista Padurilor, Vol LXXIII,
No 8, Bucharest, 1958, pp 452-455.

JPRS 1477-M

EUR - Rumania

Econ - Agriculture, Forestry and Fishing

May 59

86,415

Sumiller, Maria-Lotta
[RAPID METHODS FOR IDENTIFICATION OF TEXTILE FIBERS] (Schnellmethoden zur Identifizierung von Textilfasern). [1958] 11p.
Available on loan from SLA 61-14533

Partial trans. in rough draft of Reyon Zellwolle [und] Andere Chemiefasern (West Germany) 1956, no. 9, p. 612-617.

(Materials--Textiles, TT, v. 5, no. 12)

61-14533

1. Textiles--Chemical analysis
2. Synthetic fibers--Identification
1. Sumiller, Maria-L.

Office of Technical Services

54
Handbook of Neurology - Vol 6: Agnosias and
Apraxias, by O. Bunkke,
Göteborg, bk, Handbuch der Neurologie - Agnosien
und Apraxien, Vol 6, 1936, pp 857-960.

WCSJ-J-8781
ID 2204002469

O. Bunkke

Sci-DM
Nov 69

Anomalous Magnetic Properties of Hardenable Alloys, by
H. ~~Bauer~~, 13 pp.

GERMAN, per, Z Elektrochem, Vol XLV, No 9, Sep 1939,
pp 671-674.

SLA 57-1123.

Sci - ~~GENERAL~~ Minerals/Metals
Feb 58

58,540

The Relationship of Precipitation Processes to the
Magnetic Hardness of Permanent Magnet Alloys of the
Systems Iron-Nickel-Aluminium and Iron-Nickel-Copper
by H. Buermann, H. Muller, 21 pp.

GERMAN, per, Wiss Veroffentl au Siemens Werken, Vol
CVII, No 4, 1930, pp 63-73.

SLA 57-1072

Sci - Min/Met

Feb 58

58,458

Etching in Vacuum, by F. Bernhard, H. BUEHL,
12 pp.

GERMAN, per, Vakuum-Techn, Vol. VII, 1958,
pp 153-158.

AEC IGRL-T/CA-112

Sci - Engr

Oct 59

99,546

Metallurgical Problems in the development of
Advanced Fuel Elements, by H. Bunn, G. Engelhardt,
et al., 22 pp.

GERMANY, per, Zeitschrift Metallkunde, 9228264,
Vol LV, 1964, pp 494-501.

ABC OSMI-tr-435

232,699

Sci-874

Sci-Fuels & Propulsion

Nov 65

H. Bunn

Electrical Conductivity and Phase Equilibrium
Diagram in Binary Alloys, by G. Grube,
H.v. Zeppelin, ~~XXXXXX~~ H. Bumm, 11 pp.

GERMAN, per, Z. Elektrochem, Vol XL, No 3,
1934, pp 160-164.

S.L.A.

Scientific - Chemistry
CTB 70/Jul 55

25,188

Instruments for the Surgical Treatment of Burn Patients, by
V. M. Basmakian, Sep.
RUSSIAN, par, Vost Kizh, Vol KCI, No 11, 1963, pp 97-101.
(Title of Contents)

JPRS 23123

Sci-Biol & Med
Feb 64

243, 229

Textbook on Anthropology in a Systematic
Presentation Based on Rudolf Martens Work
by V. V. Binak, 7 pp.

RUSSIAN, per, Voprosy Antropologii, No 3,
1960, pp 155-158.

JPRS 10054

U. S. S. R.
Soc
Sci - Med
Nov 61

174, 592

Contributions to the Physical Anthropology of the
Soviet Union, by Viktor Valerianovich Bunak, G. F.
Debets, M. G. Levin, 192 pp.

RUSSIAN, bk,

Peabody Museum
Cambridge, Mass.

~~Sixty~~
USSR

Soc - anthropology

Sep 60

GN
58
R9
B8
E5

125,791

77

Associating of Nucleons in nuclei, by I. Ia.
Sunakov, 10 pp.
RUSSIAN, per, Leningrad, Universitet, Vestnik.
Seriya Fiziki i Khimii, No 1, 1964, pp 14-23.
#100060068-7
PP-11-64-358

sci-phys
Apr 65

352,2-1

U. ya. Sunakov

Conversion Electron Coincidences in $\text{Se}^{75} \rightarrow \text{As}^{75}$
Decay, by V. E. Bunakov, B. S. Dzhelepov, I.
Zvol'skiy, V. A. Sergienko, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXIII,
No 7, 1959, pp 859-863.

Columbia Tech

Sci

Oct 60

129,341

(FED 28317)

From the History of Russo-Chinese Relations in the
First Half of the Nineteenth Century, by Ye. V.
Bunakov, 20 pp.

Full tr

RUSSIAN, no par, Sovet Vostokovedeniye, No 2,
Moscow, Feb ~~1956~~ 1956, pp 96-104.

38,840

CIA/FDD U-8731

USSR; FE - China

Pol - Diplomatic relations

Aug 56 CTE/DEX

(Belman)

Fibers Based on Mixtures of Acrylonitrile
Copolymers, by Z. S. Bunareva, V. S. Dyurnbaev,
and others, 3pp
RUSSIAN, per, Khim Volokna, 1963, No 6, pp 10-
13
SIA TT-GS-10496

Z. S. Bunareva

Sci - Mat
June 67

327,469